

# Delta V Database Support Project Plan

## User Stories:

### 1. Merge two tables containing large amounts of vehicle data

Move large amounts of vehicle data from one table into another, accounting for duplicate and overlapping data.

15 points

### 2. Add new tables to the database based on what is needed from desktop team

Enter new columns into the database in order to hold data that the desktop team will need for their implementation.

5 points

### 3. Import new vehicle data into the database

Data for 2019-2020 vehicles will be arriving during the semester, and we will need to import the new information into the database when it becomes available.

7 points

### 4. Allow website access to database for password retrieval

The website will have a password retrieval feature, and we will need to ensure that the correct data is being retrieved to reset the end user's password.

3 points

### 5. Communicate with desktop team and customer

We will be working alongside the desktop team this semester, and it is crucial that we communicate with them in order to keep the database updated to fit their needs and keep the customer happy.

3 points

### 6. Database maintenance

It is our job to make sure the database is functioning correctly throughout the semester. This includes ensuring the data is valid and the desktop and mobile teams as well as end users are able to access and store data.

3 points

## **RISK LIST**

### **1. Communication | Priority 4**

Since we are going to be making the necessary changes in the database for the desktop application, we need to maintain good communication to complete the project in a timely manner.

### **2. Data Recovery | Priority 3**

It is important that all the data is backed up and can be retrieved. Regular checks to make sure data is being backup.

### **3. Data Security | Priority 4**

Some of the information was provided to Mike Flamm by a company that typically charges for this information, as such it is important that we try to factor in security breaches such as SQL injections.

### **4. Cost Risks | Priority 2**

Notify the customer of any new changes made in the database, as he is currently paying AWS for hosting and could be charged for going over allotted space.

## **Schedule and Resource Allocation**

### **Meeting with customer**

We have established a weekly meeting with Mike Flamm every Thursday at 2 PM through google hangout. During these meetings we will discuss our current progress, our goals for the next week, and any questions we may have. Our team meets up Tuesday and Thursdays at 2 PM and possibly other days depending on progress for the week and upcoming project assignments.

### **1. Extract vehicle info from additional table and making changes to allow for smoother merges**

Feb 1-Feb 15

### **2. Merging tables**

Feb 15-Feb 25

### **3. Inserting unmerged rows into vehicle specs**

Feb 25-March 5

### **4. DEADLINE FOR COMPLETING MERGE**

MARCH 7

## **5. Make necessary changes on the database for the Desktop App**

March 18- End of Semester

**\*\*Note\*\* As we do not have the current design for the desktop app we can not properly schedule this. Once given to us this will be updated**

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### **Word Count:**

Jacob Huff: 237

Jonathan Cano: 294